

ABSTRACT

An access method for the variable power adjustment in the code division multiple access mobile communication system is disclosed in the invention, the prefix of the physical random access channel, and the access, conflict detection prefix of the physical common packet channel are received and performed the quality evaluation by the base station, respectively; the precise control of the transmission power of the subsequent message section of the physical random access channel, conflict detection prefix of the physical common packet channel, and the power control prefix, the message section are obtained based on the quality evaluation value; the control indication of the precise control is transmitted via the down link acquisition indication channel, access prefix acquisition indication channel, and conflict detection/channel assignment indication channel; and the subsequent message section of the physical random access channel and the conflict detection of the physical common packet channel and the power control prefix , message section are transmitted by the user equipment by using a value among the power bias values. The said method can use the accuracy of the power control of the physical random access channel and the physical common packet channel, which can be transmitted on the up link, to reduce the interference to the other channels and to increase the capacity of the system.